

*Abstract of the Disclosure*  
~~ABSTRACT:~~

A communication system comprises a network, such as a hybrid fibre coax (HFC) network, one or more optical transmitters and potential impulse noise sources for example electrical in-home equipment, as well as filter means coupled between the noise sources and the at least one optical transmitter, which filter means have a cut-off frequency, which is chosen in dependence on the noise frequency. Such an implementation prevents the optical filters in the upstream path of the system from blanking-out during periods of noise interference due to in particular in-home appliances. This improves a reliable upstream data transfer.

10 — Fig. 1

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